Flying Disc

Kit contains:

- 1 cardboard circle
- 1 dowel rod
- 1 rubber band
- Assorted paper circles and stars

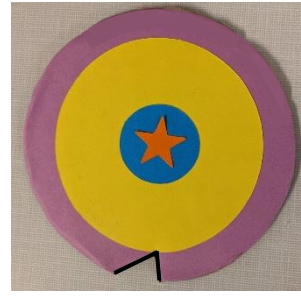
You will need: glue, scissors, and a tape measure (optional).

MORTON GROVE PUBLIC LIBRARY
6140 Lincoln Avenue, Morton Grove, IL 60053
Youth Info Desk: 847-929-5102 | mgpl.org

INSTRUCTIONS

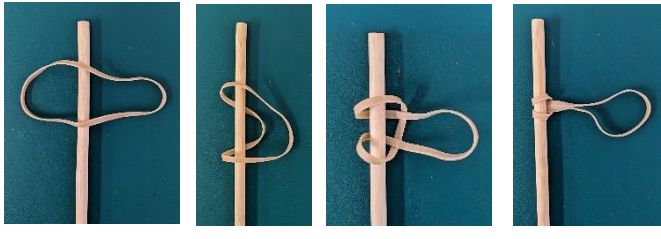
Step 1. Assemble your disc. Glue your paper circles and stars onto both sides of the cardboard circle for maximum coolness. (Colors will vary.)

Step 2. Cut a notch into the perimeter of the cardboard circle as shown.

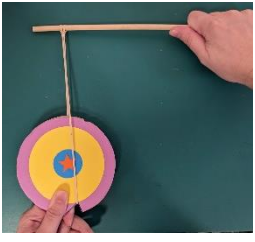


Tip: Cutting cardboard can be difficult. Ask a grownup for help if you need it.

Step 3. Assemble your launcher. Connect the rubber band to the dowel rod.



Step 4. Launch! This is best done in a wide-open area. Hold the launcher parallel to the ground. Keep it stationary. Hook the rubber band into the disc's notch. Pull back the disc. Release the disc and watch it fly!



Perfecting your technique may take some practice, but it will be worth it.

Observe & Make Predictions: Watch the **trajectory** or flight path of your disc. Does your aim and pull-back tension make a difference? Can you predict where the disc will fly based on your launch technique?

LET'S MEASURE!

Part of the fun of launching a flying disc is discovering how far it goes. You can measure using **standard** or **non-standard** units. Standard units of measurement have an official size that everyone agrees on. For instance, inches, miles, pounds, and ounces are all standard units of measurement.

If you have a tape measure, you can measure your disc's distance using a standard unit of measurement. Does it make more sense to measure in inches or feet? Choose wisely!

If you don't have a tape measure, you can use a non-standard unit of measurement instead. This in an unofficial—but useful!—way to measure using stuff you have available. For instance, your disc might fly a distance of 20 steps. Or, if you find a cool stick, its distance might be 30 sticks.